



Perfecting the Air

VRV IV HEAT RECOVERY HOT WATER SYSTEM

Comfortable Air Conditioning and
Energy-efficient Hot Water Heating

Cooling Only
6 HP—60 HP
(16 kW) (168 kW)

High-COP Type

Double outdoor units
RWHQ12-16THYM

Triple outdoor units
RWHQ18-50THYM

Standard Type

Single outdoor units
RWHQ6-16TYM

Double outdoor units
RWHQ18-32TNYM

Triple outdoor units
RWHQ34-60TNYM

Space Saving Type

Single outdoor units
RWHQ18-20TYM

Double outdoor units
RWHQ22-40TSYM

Triple outdoor units
RWHQ42-50TSYM



RWHQ6TYM
RWHQ8TYM
RWHQ10TYM
RWHQ12TYM



RWHQ14TYM
RWHQ16TYM
RWHQ18TYM
RWHQ20TYM

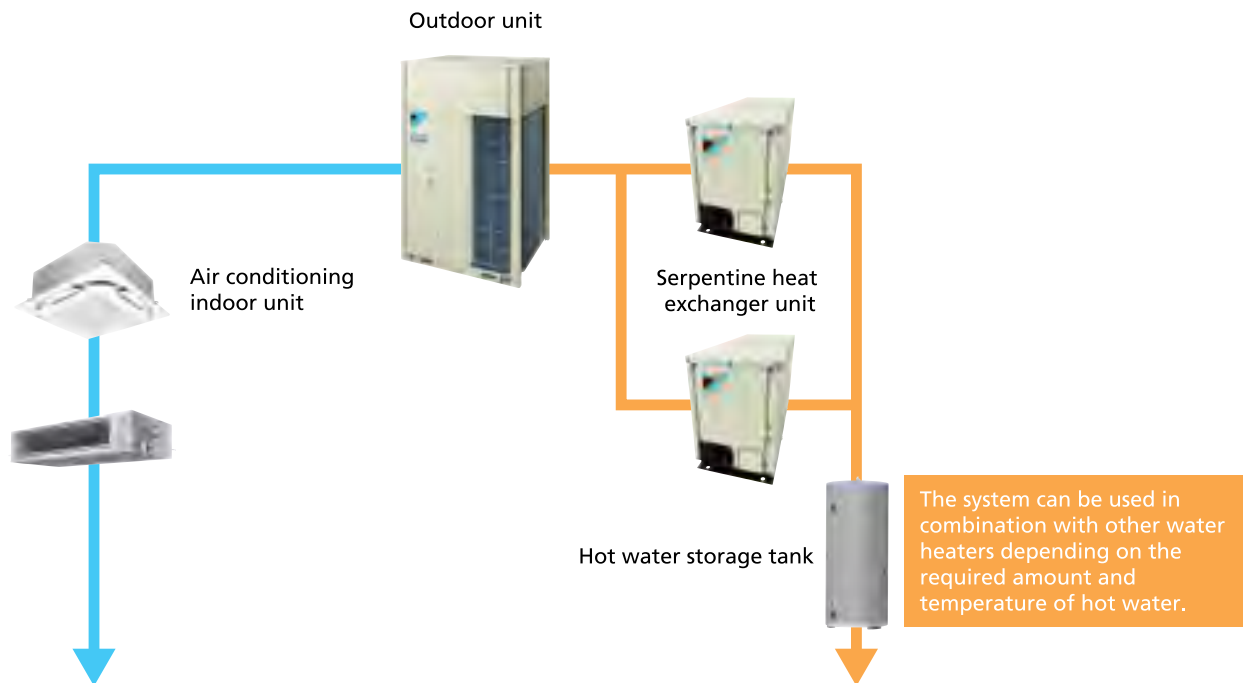
VRV IV HEAT RECOVERY HOT WATER SYSTEM

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*VRV is a trademark of Daikin Industries, Ltd.

Air conditioning combined with hot water supply – Compact system



Flexible combination of VRV IV indoor units achieves comfort and aesthetic

AIR CONDITIONING



Extremely energy-efficient energy source

HOT WATER SUPPLY



Energy to supply hot water – Cost-effective
Hot water temperature – Up to 65 °C

Can be used in combination with other water heaters depending on the required amount and temperature of hot water.

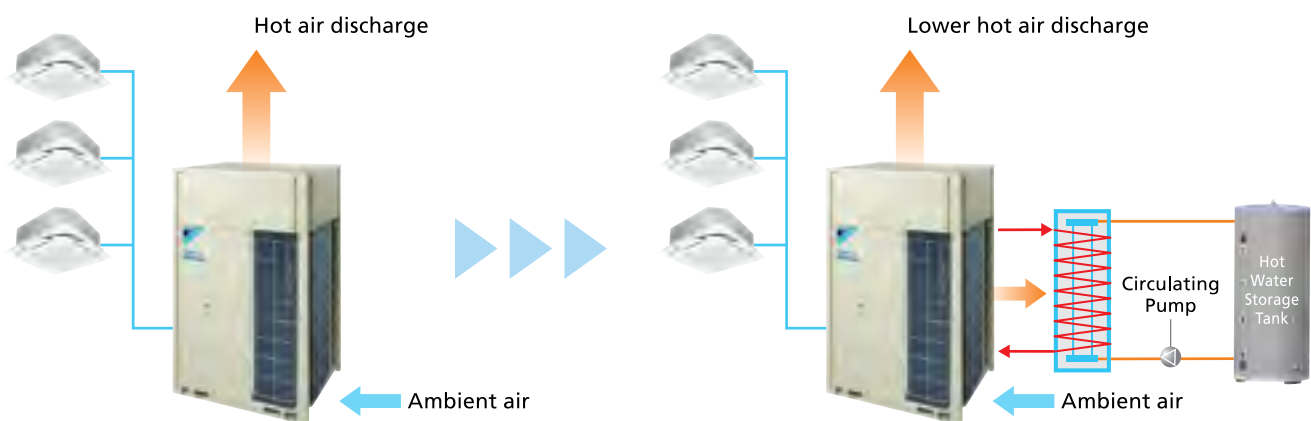
Innovative and Reliable System

The energy-efficient system recovers waste heat as energy to heat water

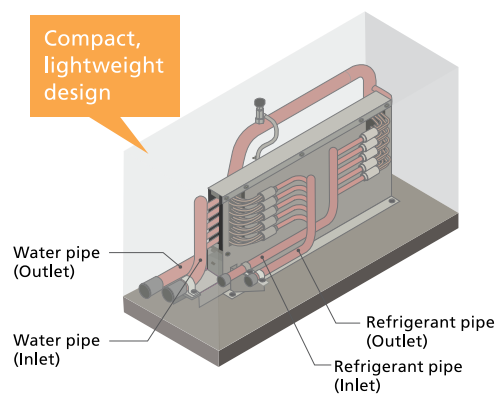
■ Waste heat from air conditioning (which usually released into the ambience) is recovered to heat water

In a conventional system, waste heat from air conditioning is released into the ambience.

This system recovers waste heat from air conditioning to heat water.

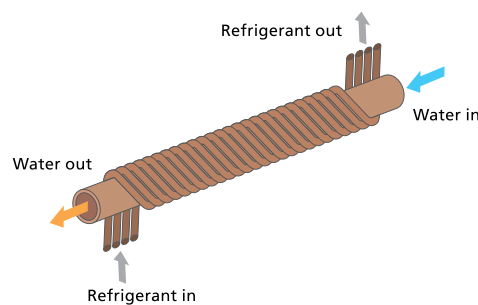


■ The serpentine heat exchanger unit recovers heat



The proprietary Serpentine Heat Exchanger achieves excellent heat exchange efficiency.

The high-temperature, high-pressure refrigerant pipe is coiled around the water pipe.



Refrigerant leakage does not contaminate water.

■ Increased energy efficiency of the outdoor unit

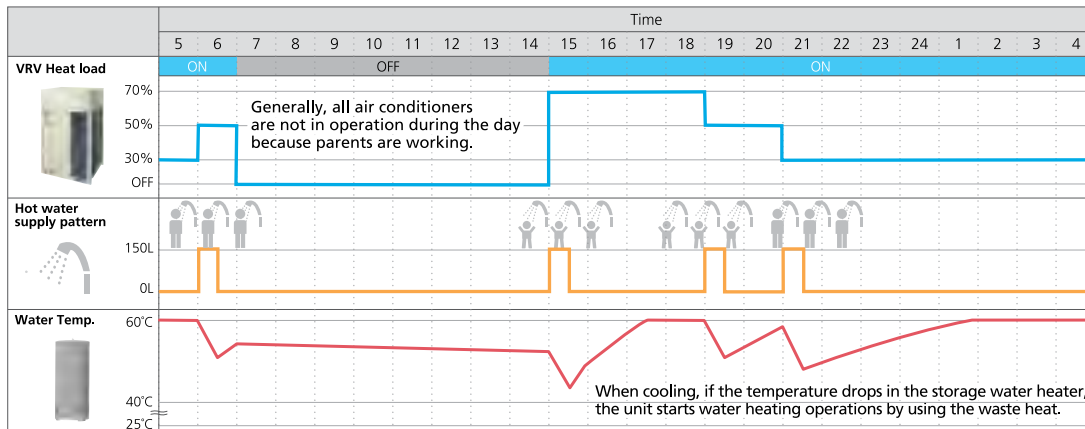
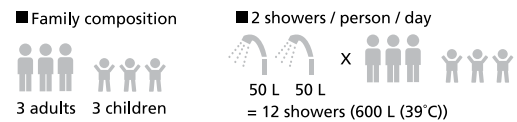
The waste heat from air conditioning is transferred to heat water. This mechanism reduces the amount of heat processed by the outdoor unit, resulting in better operation efficiency. The EER for **VRV IV** Heat Recovery Hot Water has increased from 4.41 to 4.50, compared with the conventional **VRV IV**.

■ Reducing short circuits

The temperature of exhaust heat from the outdoor unit is lower, minimising in ambient temperature increase. In the event of a short circuit, capacity reduction is minimised.

Example on usage of VRV IV Heat Recovery Hot Water System for residence

In a sample family model of 3 adults and 3 children, the waste heat generated by air conditioning is sufficient to supply hot water for everybody's showers.



Air conditioner load conditions / Operation time: 16 hours/day

Water-heating load

Tank capacity: 200 L

Boiling temperature: 25°C to 60°C (tap water)

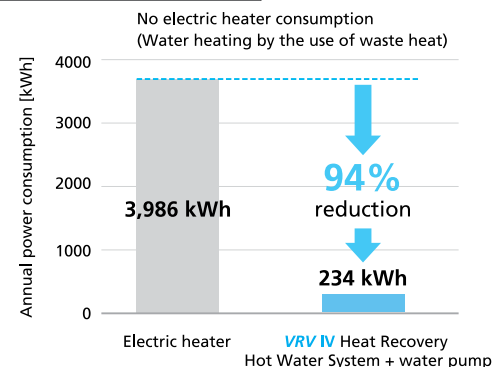
Amount of hot water per person per time (standard): 50 L/shower (39°C)

(water dispensed: 10 L/min.; shower time: 5 min./shower)

Amount of water required in tank to dispense 39°C hot water

Comparison between VRV IV Heat Recovery Hot Water System and electric heater

Because waste heat is used to heat water, annual electricity consumption can be reduced approximately 94% compared with consumption for separate operation of air conditioning and an electric water heater.



VRV IV Heat Recovery Hot Water controller

Convertible Remote Controller

Main Remote Control & Sub Remote Controller are both convertible and interchangeable.

Anti-Bacteria

By default, this would be activated every Monday morning at 2am, heating storage water up to 60°C for 10 minutes.

Vacation Mode

This disables all other functions, except for anti-bacterial mode.

Auto Restart

When power supply is restored after a failure, the system would revert to the last operational function.

Safety-Error Code

If thermistors or communication line are faulty, as a safety precaution, operation of the electric heater is disabled.



BRCS82

Smart Service Tool

Ease in Checks and Inspections

A pocket-sized service tool to enable fault diagnosis conveniently during commissioning and maintenance for VRV products



Mobile App Available



Bluetooth Service Checker

- Light weight
- Smart phone and tablet friendly
- Accurate Fault Finding

Indoor Unit Lineup

Enhanced range of choices

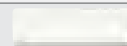
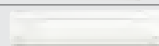
A mixed of stylish and quiet **VRV** type indoor units and residential type indoor units can be combined into one system.

VRV indoor units

 New lineup

Category	Type	Model Name	Capacity Range	20	25	32	40	50	63	71	80	100	125	140	200	250	400	500
				0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	6 HP	8 HP	10 HP	16 HP	20 HP
			Capacity Index	20	25	31.25	40	50	62.5	71	80	100	125	140	200	250	400	500
Ceiling Mounted Cassette	Round Flow Cassette with Sensing	FXFSQ-AVM			●	●	●	●	●		●	●	●	●				
	Round Flow Cassette	FXFQ-AVM			●	●	●	●	●		●	●	●	●				
	Compact Multi Flow Cassette	FXZQ-AVM		●	●	●	●	●										
	Double Flow Cassette	FXCQ-AVM		●	●	●	●	●	●		●		●					
	Single Flow Cassette	FXEQ-AV36		●	●	●	●	●	●									
Ceiling Concealed Duct	3D Airflow Duct with Sensing	FXDSQ-AVM		●	●	●	●	●	●									
	Bedroom Duct	 FXDBQ-AVM					●	●	●		●							
	Slim Duct (Standard)	FXDQ-PDVE (with drain pump)		●	●	●												
		FXDQ-PDVET (without drain pump)		●	●	●												
		FXDQ-NDVE (with drain pump)					●	●	●									
		FXDQ-NDVET (without drain pump)					●	●	●									
	Slim Duct (Compact)	FXDQ-SPV1		●	●	●	●	●	●									
	Middle Static Pressure Duct	FXSQ-PAVE		●	●	●	●	●	●		●	●	●	●				
	Middle-High Static Pressure Duct	FXMQ-PAVE		●	●	●	●	●	●		●	●	●	●				
	High Static Pressure Duct	FXMQ-MVE9													●	●		
	High Static Pressure Duct	FXMQ-PVM													●	●		
	Outdoor-Air Processing Unit	FXMQ-MFV1										●			●	●		
Ceiling Suspended	4-Way Flow Ceiling Suspended	FXUQ-AVEB								●		●						
	Ceiling Suspended	FXHQ-MAVE				●			●			●						
		FXHQ-AVM											●	●				
Wall Mounted		FXAQ-AVM		●	●	●	●	●	●									
Floor Standing	Floor Standing	FXLQ-MAVE		●	●	●	●	●	●									
	Concealed Floor Standing	FXNQ-MAVE		●	●	●	●	●	●									
	Floor Standing Duct	FXVQ-NY1											●		●	●	●	●
		FXVQ-NY16 (high static pressure type)																●
Clean Room Air Conditioner		FXBQ-PVE					●	●	●									
		FXBPQ-PVE						●										
Heat Reclaim Ventilator with DX-Coil		 VKM-GCVE		Airflow rate 500-950 m³/h														
Heat Reclaim Ventilator		 VAM-HVE		Airflow rate 150-2000 m³/h														
Air Handling Unit		AHUR		6–120 HP														

Residential indoor units with connection to BP units

Type	Model Name		25	35	50	60	71
		Rated Capacity (kW)	2.5	3.5	5.0	6.0	7.1
		Capacity Index	25	35	50	60	71
Slim Ceiling Concealed Duct	FDKS-EAVMB	 (700 mm width type)	●	●			
	FDKS-C(A)VMB	 (900/1,100 mm width type)	●	●	●	●	
Wall Mounted	FTKS-DVM		●	●			
	FTKS-BVMA				●		
	FTKS-FVM				●	●	●



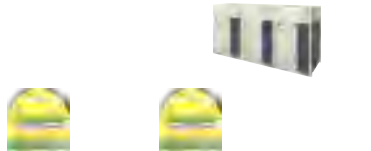
Note: BP units (BPMKS967A2/3) are necessary for residential indoor units.

Outdoor Units

VRV IV Heat Recovery Hot Water System

Specifications

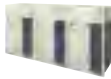
High-COP Type

									
MODEL		RWHQ12THYM	RWHQ14THYM	RWHQ16THYM	RWHQ18THYM	RWHQ20THYM	RWHQ22THYM	RWHQ24THYM	
Combination units		RWHQ6TYM	RWHQ6TYM	RWHQ8TYM	RWHQ6TYM	RWHQ6TYM	RWHQ6TYM	RWHQ8TYM	
		RWHQ6TYM	RWHQ8TYM	RWHQ8TYM	RWHQ6TYM	RWHQ6TYM	RWHQ8TYM	RWHQ8TYM	
		—	—	—	RWHQ6TYM	RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	
Power supply		3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz							
Cooling capacity	Btu/h	109,000	131,000	153,000	164,000	186,000	207,000	229,000	
	kW	32.0	38.4	44.8	48.0	54.4	60.8	67.2	
Power consumption	kW	7.10	8.68	10.3	10.7	12.2	13.8	15.4	
Capacity control	%	10-100			7-100				
Casing colour		Ivory white(5Y7.5/1)							
Compressor	Type	Hermetically Sealed Scroll Type							
	Motor output	kW	(2.4x1)+ (2.4x1)	(2.4x1)+ (3.4x1)	(3.4x1)+ (3.4x1)	(2.4x1)+(2.4x1)+ (2.4x1)	(2.4x1)+(2.4x1)+ (3.4x1)	(2.4x1)+(3.4x1)+ (3.4x1)	(3.4x1)+(3.4x1)+ (3.4x1)
Airflow rate		m³/min	119+119	119+157	157+157	119+119+119	119+119+157	119+157+157	157+157+157
Dimensions (HxWxD)		mm	(1,657x930x765)+(1,657x930x765)			(1,657x930x765)+(1,657x930x765)+(1,657x930x765)			
Machine weight		kg	185+185			185+185+185			
Sound level		dB(A)	58	59		60		61	
Operation range		°CDB	15 to 49						
Refrigerant	Type	R-410A							
	Charge	kg	6.4+6.4			6.4+6.4+6.4			
Piping connections (Indoor unit)	Liquid	mm	φ 12.7(Brazing)			φ 15.9(Brazing)			
	Gas	mm	φ 28.6(Brazing)					φ 34.9(Brazing)	
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing x 2)			φ 19.1(Brazing x 3)			
	Outlet pipe	mm	φ 19.1(Brazing x 2)			φ 19.1(Brazing x 3)			

							
MODEL			RWHQ42THYM	RWHQ44THYM	RWHQ46THYM	RWHQ48THYM	RWHQ50THYM
Combination units			RWHQ14TYM	RWHQ14TYM	RWHQ14TYM	RWHQ16TYM	RWHQ16TYM
			RWHQ14TYM	RWHQ14TYM	RWHQ16TYM	RWHQ16TYM	RWHQ16TYM
			RWHQ14TYM	RWHQ16TYM	RWHQ16TYM	RWHQ16TYM	RWHQ18TYM
Power supply			3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz				
Cooling capacity	Btu/h	409,000	427,000	444,000	461,000	478,000	
	kW	120	125	130	135	140	
Power consumption	kW	32.4	34.5	36.6	38.7	41.1	
Capacity control	%	4-100	3-100				
Casing colour			Ivory white (5Y7.5/1)				
Compressor	Type		Hermetically Sealed Scroll Type				
	Motor output	kW	(2.9x1)+(3.3x1)+(2.9x1)+(3.3x1)+(2.9x1)+(3.3x1)	(2.9x1)+(3.3x1)+(2.9x1)+(3.3x1)+(3.6x1)+(3.7x1)	(2.9x1)+(3.3x1)+(3.6x1)+(3.7x1)+(3.7x1)+(3.6x1)+(3.7x1)	(3.6x1)+(3.7x1)+(3.6x1)+(3.7x1)+(3.6x1)+(3.7x1)	(3.6x1)+(3.7x1)+(3.6x1)+(3.7x1)+(4.4x1)+(4.0x1)
Airflow rate	m³/min	233+233+233					
Dimensions (HxWxD)	mm	(1,657x1,240x765)+(1,657x1,240x765)+(1,657x1,240x765)					
Machine weight	kg	285+285+285					
Sound level	dB(A)	65				66	
Operation range	°CDB	15 to 49					
Refrigerant	Type		R-410A				
	Charge	kg	10.3+10.3+10.3	10.3+10.3+10.4	10.3+10.4+10.4	10.4+10.4+10.4	10.4+10.4+10.5
Piping connections (Indoor unit)	Liquid	mm	φ 19.1(Brazing)				
	Gas	mm	φ 41.3(Brazing)				
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing x 3)				
	Outlet pipe	mm	φ 19.1(Brazing x 3)				

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.

								
	RWHQ26THYM	RWHQ28THYM	RWHQ30THYM	RWHQ32THYM	RWHQ34THYM	RWHQ36THYM	RWHQ38THYM	RWHQ40THYM
	RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	RWHQ12TYM	RWHQ12TYM
	RWHQ8TYM	RWHQ8TYM	RWHQ10TYM	RWHQ12TYM	RWHQ12TYM	RWHQ14TYM	RWHQ12TYM	RWHQ14TYM
	RWHQ10TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ14TYM	RWHQ14TYM	RWHQ14TYM	RWHQ14TYM
	3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz							
	248,000	267,000	286,000	305,000	327,000	348,000	365,000	389,000
	72.8	78.3	83.9	89.4	95.9	102	107	114
	17.5	19.2	21.3	23.0	24.9	26.7	28.7	30.5
	6-100		5-100			4-100		
	Ivory white (5Y7.5/1)							
	Hermetically Sealed Scroll Type							
	(3.4x1)+(3.4x1)+ (4.1x1)	(3.4x1)+(3.4x1)+ (5.2x1)	(3.4x1)+(4.1x1)+ (5.2x1)	(3.4x1)+(5.2x1)+ (5.2x1)	(3.4x1)+(5.2x1)+ (2.9x1)+(3.3x1)	(3.4x1)+(2.9x1)+(3.3x1)+ (2.9x1)+(3.3x1)	(5.2x1)+(5.2x1)+ (2.9x1)+(3.3x1)	(5.2x1)+(2.9x1)+(3.3x1)+ (2.9x1)+(3.3x1)
	157+157+165	157+157+178	157+165+178	157+178+178	157+178+233	157+233+233	178+178+233	178+233+233
	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)				(1,657x930x765)+ (1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x930x765)+ (1,657x1,240x765)	(1,657x930x765)+ (1,657x1,240x765)+ (1,657x1,240x765)
	185+185+200		185+200+200		185+200+285	185+285+285	200+200+285	200+285+285
	61	62		63		64		
	15 to 49							
	R-410A							
	6.4+6.4+6.5	6.4+6.4+6.8	6.4+6.5+6.8	6.4+6.8+6.8	6.4+6.8+10.3	6.4+10.3+10.3	6.8+6.8+10.3	6.8+10.3+10.3
	φ 19.1(Brazing)					φ 41.3(Brazing)		
	φ 34.9(Brazing)					φ 41.3(Brazing)		
	φ 19.1(Brazing x 3)							
	φ 19.1(Brazing x 3)							

Standard Type

								
MODEL			RWHQ6TYM	RWHQ8TYM	RWHQ10TYM	RWHQ12TYM	RWHQ14TYM	RWHQ16TYM
Combination units			—	—	—	—	—	—
Power supply			3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz					
Cooling capacity	Btu/h	54,600	76,400	95,500	114,000	136,000	154,000	
	kW	16.0	22.4	28.0	33.5	40.0	45.0	
Power consumption	kW	3.55	5.13	7.22	8.93	10.8	12.9	
Capacity control	%	20-100		16-100	15-100	11-100	10-100	
Casing colour			Ivory white (5Y7.5/1)					
Compressor	Type	Hermetically Sealed Scroll Type						
	Motor output	kW	2.4x1	3.4x1	4.1x1	5.2x1	(2.9x1)+(3.3x1)	(3.6x1)+(3.7x1)
Airflow rate	m³/min	119	157	165	178	233		
Dimensions (HxWxD)	mm	1,657x930x765					1,657x1,240x765	
Machine weight	kg	185			200		285	
Sound level	dB(A)	55	56	57	59	60	61	
Operation range	°CDB	15 to 49						
Refrigerant	Type	R-410A						
	Charge	kg	6.4		6.5	6.8	10.3	10.4
Piping connections (Indoor unit)	Liquid	mm	φ 9.5(Brazing)				φ 12.7(Brazing)	
	Gas	mm	φ 19.1(Brazing)			φ 22.2(Brazing)	φ 28.6(Brazing)	
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing)					
	Outlet pipe	mm	φ 19.1(Brazing)					

•Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode. When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

Outdoor Units

VRV IV Heat Recovery Hot Water System

Specifications

Standard Type

									
MODEL			RWHQ18TNYM	RWHQ20TNYM	RWHQ22TNYM	RWHQ24TNYM	RWHQ26TNYM	RWHQ28TNYM	RWHQ30TNYM
Combination units			RWHQ8TYM	RWHQ8TYM	RWHQ8TYM	RWHQ10TYM	RWHQ12TYM	RWHQ14TYM	RWHQ14TYM
			RWHQ10TYM	RWHQ12TYM	RWHQ14TYM	RWHQ14TYM	RWHQ14TYM	RWHQ14TYM	RWHQ16TYM
			—	—	—	—	—	—	—
Power supply			3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz						
Cooling capacity	Btu/h		172,000	191,000	213,000	232,000	251,000	273,000	290,000
	kW		50.4	55.9	62.4	68.0	73.5	80.0	85.0
Power consumption	kW		12.4	14.1	15.9	18.0	19.7	21.6	23.7
Capacity control	%		8-100		7-100	6-100		5-100	
Casing colour			Ivory white (5Y7.5/1)						
Compressor	Type		Hermetically Sealed Scroll Type						
	Motor output	kW	(3.4x1)+ (4.1x1)	(3.4x1)+ (5.2x1)	(3.4x1)+(2.9x1)+ (3.3x1)	(4.1x1)+(2.9x1)+ (3.3x1)	(5.2x1)+(2.9x1)+ (3.3x1)	(2.9x1)+(3.3x1)+ (2.9x1)+(3.3x1)	(2.9x1)+(3.3x1)+ (3.6x1)+(3.7x1)
Airflow rate		m³/min	157+165	157+178	157+233	165+233	178+233	233+233	
Dimensions (HxWxD)		mm	(1,657x930x765)+ (1,657x930x765)		(1,657x930x765)+(1,657x1,240x765)			(1,657x1,240x765)+ (1,657x1,240x765)	
Machine weight		kg	185+200		185+285	200+285		285+285	
Sound level		dB(A)	60	61		62	63		64
Operation range		°CDB	15 to 49						
Refrigerant	Type		R-410A						
	Charge	kg	6.4+6.5	6.4+6.8	6.4+10.3	6.5+10.3	6.8+10.3	10.3+10.3	10.3+10.4
Piping connections (Indoor unit)	Liquid	mm	φ 15.9(Brazing)				φ 19.1(Brazing)		
	Gas	mm	φ 28.6(Brazing)			φ 34.9(Brazing)			
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing x 2)						
	Outlet pipe	mm	φ 19.1(Brazing x 2)						

Standard Type

										
MODEL			RWHQ48TNYM	RWHQ50TNYM	RWHQ52TNYM	RWHQ54TNYM	RWHQ56TNYM	RWHQ58TNYM	RWHQ60TNYM	
Combination units			RWHQ14TYM	RWHQ14TYM	RWHQ16TYM	RWHQ18TYM	RWHQ18TYM	RWHQ18TYM	RWHQ20TYM	
			RWHQ16TYM	RWHQ18TYM	RWHQ18TYM	RWHQ18TYM	RWHQ18TYM	RWHQ20TYM	RWHQ20TYM	
			RWHQ18TYM	RWHQ18TYM	RWHQ18TYM	RWHQ18TYM	RWHQ20TYM	RWHQ20TYM	RWHQ20TYM	
Power supply			3-phase 4-wire system, 380~415 V/380 V, 50/60 Hz							
Cooling capacity	Btu/h		461,000	478,000	495,000	512,000	532,000	553,000	573,000	
	kW		135	140	145	150	156	162	168	
Power consumption	kW		39.0	41.4	43.5	45.9	48.5	51.1	53.7	
Capacity control	%		3-100							
Casing colour			Ivory white (5Y7.5/1)							
Compressor	Type		Hermetically Sealed Scroll Type							
	Motor output	kW	(2.9x1)+(3.3x1)+(3.6x1)+(3.7x1)+(4.4x1)+(4.0x1)	(2.9x1)+(3.3x1)+(4.4x1)+(4.0x1)+(4.4x1)+(4.0x1)	(3.6x1)+(3.7x1)+(4.4x1)+(4.0x1)+(4.4x1)+(4.0x1)	(4.4x1)+(4.0x1)+(4.4x1)+(4.0x1)+(4.4x1)+(4.0x1)	(4.4x1)+(4.0x1)+(4.4x1)+(4.0x1)+(4.6x1)+(5.5x1)	(4.4x1)+(4.0x1)+(4.6x1)+(5.5x1)+(4.6x1)+(5.5x1)	(4.6x1)+(5.5x1)+(4.6x1)+(5.5x1)+(4.6x1)+(5.5x1)	
Airflow rate	m³/min		233+233+233					233+233+268	233+268+268	268+268+268
Dimensions (HxWxD)	mm		(1,657x1,240x765)+(1,657X1,240x765)+(1,657x1,240x765)							
Machine weight	kg		285+285+285					285+285+320	285+320+320	320+320+320
Sound level	dB(A)		66			67	68	69	70	
Operation range	°CDB		15 to 49							
Refrigerant	Type		R-410A							
	Charge	kg	10.3+10.4+10.5	10.3+10.5+10.5	10.4+10.5+10.5	10.5+10.5+10.5	10.5+10.5+11.8	10.5+11.8+11.8	11.8+11.8+11.8	
Piping connections (Indoor unit)	Liquid	mm	φ 19.1(Brazing)							
	Gas	mm	φ 41.3(Brazing)							
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing x 3)							
	Outlet pipe	mm	φ 19.1(Brazing x 3)							

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.

							
RWHQ32TNYM	RWHQ34TNYM	RWHQ36TNYM	RWHQ38TNYM	RWHQ40TNYM	RWHQ42TNYM	RWHQ44TNYM	RWHQ46TNYM
RWHQ14TYM	RWHQ10TYM	RWHQ12TYM	RWHQ8TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ14TYM
RWHQ18TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ14TYM	RWHQ16TYM	RWHQ14TYM
—	RWHQ12TYM	RWHQ12TYM	RWHQ18TYM	RWHQ16TYM	RWHQ16TYM	RWHQ16TYM	RWHQ18TYM
3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz							
307,000	324,000	345,000	362,000	382,000	406,000	423,000	444,000
90.0	95.0	101	106	112	119	124	130
26.1	25.1	26.8	29.4	30.8	32.6	34.7	36.9
5-100			4-100				3-100
Ivory white (5Y7.5/1)							
Hermetically Sealed Scroll Type							
(2.9x1)+(3.3x1)+(4.4x1)+(4.0x1)	(4.1x1)+(5.2x1)+(5.2x1)	(5.2x1)+(5.2x1)+(5.2x1)	(3.4x1)+(5.2x1)+(4.4x1)+(4.0x1)	(5.2x1)+(5.2x1)+(3.6x1)+(3.7x1)	(5.2x1)+(2.9x1)+(3.3x1)+(3.6x1)+(3.7x1)	(5.2x1)+(3.6x1)+(3.7x1)	(2.9x1)+(3.3x1)+(2.9x1)+(3.3x1)+(4.4x1)+(4.0x1)
233+233	165+178+178	178+178+178	157+178+233	178+178+233	178+233+233		233+233+233
(1,657x1,240x765)+(1,657x1,240x765)	(1,657x930x765)+(1,657x930x765)+(1,657x930x765)		(1,657x930x765)+(1,657x930x765)+(1,657x1,240x765)		(1,657x930x765)+(1,657x1,240x765)+(1,657x1,240x765)		(1,657x1,240x765)+(1,657x1,240x765)+(1,657x1,240x765)
285+285	200+200+200		185+200+285	200+200+285	200+285+285		285+285+285
64	63	64		65			66
15 to 49							
R-410A							
10.3+10.5	6.5+6.8+6.8	6.8+6.8+6.8	6.4+6.8+10.5	6.8+6.8+10.4	6.8+10.3+10.4	6.8+10.4+10.4	10.3+10.3+10.5
φ 19.1(Brazing)							
φ 34.9(Brazing)		φ 41.3(Brazing)					
φ 19.1(Brazing x 2)				φ 19.1(Brazing x 3)			
φ 19.1(Brazing x 2)				φ 19.1(Brazing x 3)			

Space Saving Type

						
MODEL			RWHQ18TYM	RWHQ20TYM	RWHQ22TSYM	RWHQ24TSYM
Combination units			—	—	RWHQ10TYM	RWHQ12TYM
					RWHQ12TYM	RWHQ12TYM
					—	—
Power supply			3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz			
Cooling capacity	Btu/h	171,000	191,000	210,000	229,000	
	kW	50.0	56.0	61.5	67.0	
Power consumption	kW	15.3	17.9	16.2	17.9	
Capacity control	%	10-100	8-100			
Casing colour			Ivory white (5Y7.5/1)			
Compressor	Type		Hermetically Sealed Scroll Type			
	Motor output	kW	(4.4x1)+(4.0x1)	(4.6x1)+(5.5x1)	(4.1x1)+(5.2x1)	(5.2x1)+(5.2x1)
Airflow rate	m³/min	233	268	165+178	178+178	
Dimensions (HxWxD)	mm	1,657x1,240x765		(1,657x930x765)+(1,657x930x765)		
Machine weight	kg	285	320	200+200		
Sound level	dB(A)	62	65	61	62	
Operation range	°CDB	15 to 49				
Refrigerant	Type		R-410A			
	Charge	kg	10.5	11.8	6.5+6.8	6.8+6.8
Piping connections (Indoor unit)	Liquid	mm	φ 15.9(Brazing)			
	Gas	mm	φ 28.6(Brazing)		φ 34.9(Brazing)	
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing)		φ 19.1(Brazing x 2)	
	Outlet pipe	mm	φ 19.1(Brazing)		φ 19.1(Brazing x 2)	

• Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode. When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

Outdoor Units

VRV IV Heat Recovery Hot Water System

Specifications

Space Saving Type

												
MODEL			RWHQ26TSYM	RWHQ28TSYM	RWHQ30TSYM	RWHQ32TSYM	RWHQ34TSYM	RWHQ36TSYM				
Combination units			RWHQ8TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ16TYM	RWHQ18TYM				
			RWHQ18TYM	RWHQ16TYM	RWHQ18TYM	RWHQ20TYM	RWHQ18TYM	RWHQ18TYM				
			—	—	—	—	—	—				
Power supply			3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz									
Cooling capacity	Btu/h		247,000	268,000	285,000	305,000	324,000	341,000				
	kW		72.4	78.5	83.5	89.5	95.0	100				
Power consumption	kW		20.4	21.8	24.2	26.8	28.2	30.6				
Capacity control	%		7-100	6-100			5-100					
Casing colour			Ivory white (5Y7.5/1)									
Compressor	Type		Hermetically Sealed Scroll Type									
	Motor output	kW	(3.4x1)+(4.4x1)+ (4.0x1)	(5.2x1)+(3.6x1)+ (3.7x1)	(5.2x1)+(4.4x1)+ (4.0x1)	(5.2x1)+(4.6x1)+ (5.5x1)	(3.6x1)+(3.7x1)+ (4.4x1)+(4.0x1)	(4.4x1)+(4.0x1)+ (4.4x1)+(4.0x1)				
Airflow rate		m³/min	157+233	178+233			178+268	233+233				
Dimensions (HxWxD)		mm	(1,657x930x765)+(1,657x1,240x765)					(1,657x1,240x765)+(1,657x1,240x765)				
Machine weight		kg	185+285	200+285			200+320	285+285				
Sound level		dB(A)	63			64	66	65				
Operation range		°CDB	15 to 49									
Refrigerant	Type		R-410A									
	Charge	kg	6.4+10.5	6.8+10.4	6.8+10.5	6.8+11.8	10.4+10.5	10.5+10.5				
Piping connections (Indoor unit)	Liquid	mm	φ 19.1(Brazing)									
	Gas	mm	φ 34.9(Brazing)						φ 41.3(Brazing)			
Piping connections (Heat exchanger unit)	Inlet pipe	mm	φ 19.1(Brazing x 2)									
	Outlet pipe	mm	φ 19.1(Brazing x 2)									

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Height difference: 0 m.
- Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1.5 m.

During actual operation, these values are normally somewhat higher as a result of ambient conditions and oil recovery mode. When there is concern for noise to the surrounding area such as residences, we recommend investigating the installation location and taking soundproofing measures.

							
	RWHQ38TSYM	RWHQ40TSYM	RWHQ42TSYM	RWHQ44TSYM	RWHQ46TSYM	RWHQ48TSYM	RWHQ50TSYM
	RWHQ18TYM	RWHQ20TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM	RWHQ12TYM
	RWHQ20TYM	RWHQ20TYM	RWHQ12TYM	RWHQ12TYM	RWHQ16TYM	RWHQ18TYM	RWHQ18TYM
	—	—	RWHQ18TYM	RWHQ20TYM	RWHQ18TYM	RWHQ18TYM	RWHQ20TYM
	3-phase 4-wire system, 380-415 V/380 V, 50/60 Hz						
	362,000	382,000	399,000	420,000	440,000	457,000	478,000
	106	112	117	123	129	134	140
	33.2	35.8	33.2	35.8	37.1	39.5	42.1
	4-100						3-100
	Ivory white (5Y7.5/1)						
	Hermetically Sealed Scroll Type						
	(4.4x1)+(4.0x1)+ (4.6x1)+(5.5x1)	(4.6x1)+(5.5x1)+ (4.6x1)+(5.5x1)	(5.2x1)+(5.2x1)+ (4.4x1)+(4.0x1)	(5.2x1)+(5.2x1)+ (4.6x1)+(5.5x1)	(5.2x1)+(3.6x1)+(3.7x1)+ (4.4x1)+(4.0x1)	(5.2x1)+(4.4x1)+(4.0x1)+ (4.4x1)+(4.0x1)	(5.2x1)+(4.4x1)+(4.0x1)+ (4.6x1)+(5.5x1)
	233+268	268+268	178+178+233	178+178+268	178+233+233		178+233+268
	(1,657x1,240x765)+(1,657x1,240x765)		(1,657x930x765)+(1,657x930x765)+ (1,657x1,240x765)		(1,657x930x765)+(1,657x1,240x765)+ (1,657x1,240x765)		
	285+320	320+320	200+200+285	200+200+320	200+285+285		200+285+320
	67	68	65	67	66		67
	15 to 49						
	R-410A						
	10.5+11.8	11.8+11.8	6.8+6.8+10.5	6.8+6.8+11.8	6.8+10.4+10.5	6.8+10.5+10.5	6.8+10.5+11.8
	φ 19.1(Brazing)						
	φ 41.3(Brazing)						
	φ 19.1(Brazing x 2)		φ 19.1(Brazing x 3)				
	φ 19.1(Brazing x 2)		φ 19.1(Brazing x 3)				

Outdoor Units

VRV IV Heat Recovery Hot Water System

Serpentine heat exchanger unit (HWHQ30A)



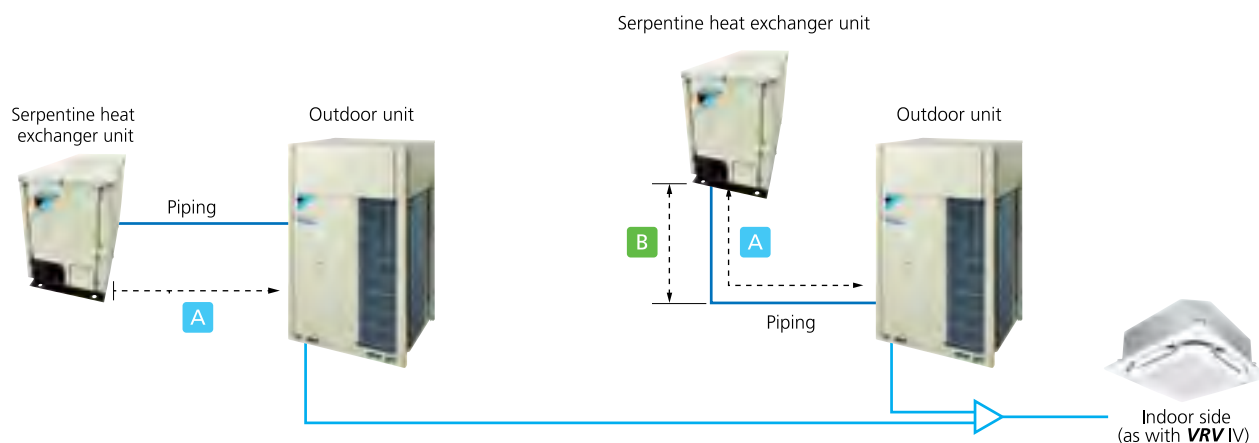
Model Name (RWHQ-TYM, HWHQ30A)		Single Heat Exchanger Unit							
		RWHQ6TYM +HWHQ30A	RWHQ8TYM +HWHQ30A	RWHQ10TYM +HWHQ30A	RWHQ12TYM +HWHQ30A	RWHQ14TYM +HWHQ30A	RWHQ16TYM +HWHQ30A	RWHQ18TYM +HWHQ30A	RWHQ20TYM +HWHQ30A
Rated inlet temperature	°C	40							
Rated water flow	L/min	10							
Range of inlet temperature	°C	20-65							
Range of water flow	L/min	5-20							
Rated Hot-water capacity *1	kW	3.2	3.3	3.3	3.5	3.7	4.0	4.2	4.4
Machine weight	kg	27							
Diameter of Refrigerant pipe (Gas)	mm	φ 19.1 (Braze)							
Diameter of Refrigerant pipe (Liquid)	mm	φ 19.1 (Braze)							
Diameter of water pipe (Inlet)	mm	φ 25.4 (Screw)							
Diameter of water pipe (Outlet)	mm	φ 25.4 (Screw)							
Piping length (max)	m	2 (5)							
Design pressure (Water side)	MPa	0.5							
Loss of Head *2	m	0.2							
Casing colour		Ivory white (5Y7.5/1)							
Dimensions (H×W×D)	mm	446 × 306 × 765							

Notes: It is necessary to satisfy the water standard of Daikin for the water that is used. In the case that the water standard is not satisfied, special measures are required. Please contact your local sales office for details.

*1: [Cooling] Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Inlet water temperature 40°C, Water flow 10L/min, Indoor load 100%, Outdoor-Heat Exchanger Unit 2m.

*2: Water flow 10L/min.

Pipe length restriction of VRV IV Heat Recovery Hot Water System



Max. allowable piping length	A Between outdoor unit and heat exchanger unit length	5 m
Max. allowable height difference	B Between outdoor unit and heat exchanger unit level	3 m



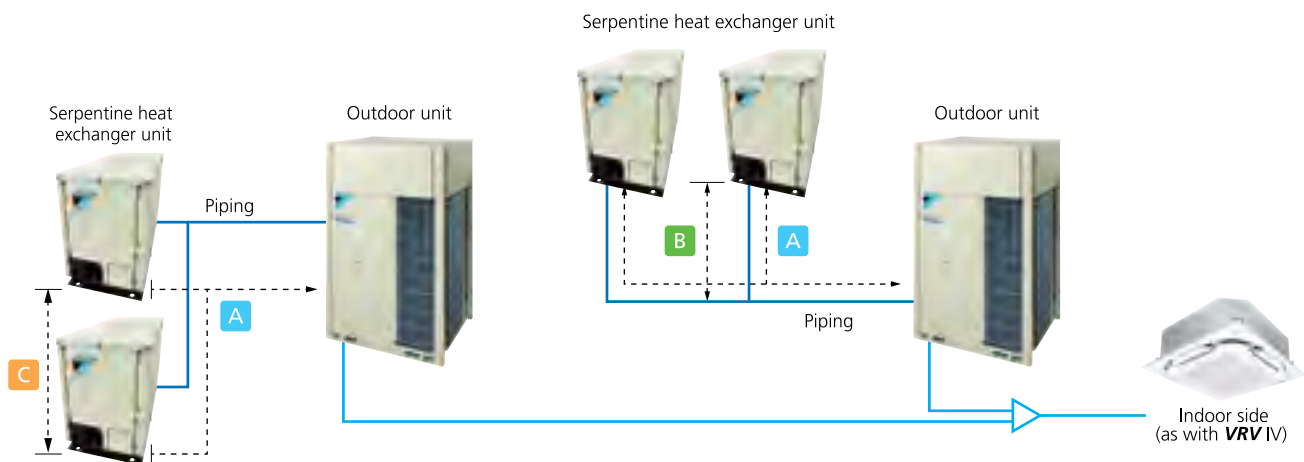
Model Name (RWHQ-TYM, HWHQ30A)		Double Heat Exchanger Unit							
		RWHQ6TYM +HWHQ30Ax2	RWHQ8TYM +HWHQ30Ax2	RWHQ10TYM +HWHQ30Ax2	RWHQ12TYM +HWHQ30Ax2	RWHQ14TYM +HWHQ30Ax2	RWHQ16TYM +HWHQ30Ax2	RWHQ18TYM +HWHQ30Ax2	RWHQ20TYM +HWHQ30Ax2
Rated inlet temperature	°C	40							
Rated water flow	L/min	20 (10 × 2)							
Range of inlet temperature	°C	20-65							
Range of water flow	L/min	10-40 (5-20 × 2)							
Rated Hot-water capacity *1	kW	5.4	5.6	5.6	5.9	6.2	6.8	7.1	7.4
Machine weight	kg	54 (27 × 2)							
Diameter of Refrigerant pipe (Gas)	mm	φ 19.1 (Braze) × 2							
Diameter of Refrigerant pipe (Liquid)	mm	φ 19.1 (Braze) × 2							
Diameter of water pipe (Inlet)	mm	φ 25.4 (Screw) × 2							
Diameter of water pipe (Outlet)	mm	φ 25.4 (Screw) × 2							
Piping length (max)	m	2 (5)							
Design pressure (Water side)	MPa	0.5							
Loss of Head *2	m	0.2							
Casing colour		Ivory white (5Y7.5/1)							
Dimensions (H×W×D)	mm	(446 × 306 × 765) + (446 × 306 × 765)							

Notes: It is necessary to satisfy the water standard of Daikin for the water that is used. In the case that the water standard is not satisfied, special measures are required. Please contact your local sales office for details.

*1: [Cooling] Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Inlet water temperature 40°C, Water flow 10L/min, Indoor load 100%, Outdoor-Heat Exchanger Unit 2m.

*2: Water flow 10L/min.

Pipe length restriction of VRV IV Heat Recovery Hot Water System



Max. allowable piping length	A Between outdoor unit and heat exchanger unit length	5 m
Max. allowable height difference	B Between outdoor unit and heat exchanger unit level	3 m
Max. allowable height difference	C Between heat exchanger units	3 m



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(Main Office)

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Saturday, Sunday & Public Holiday: Closed

(Showroom)

Monday to Friday : 9:00 am to 6:00 pm

Saturday, Sunday & Public Holiday : Closed

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