



**DAIKIN**

# WinterSpa

Heat Reclaim  
Series



**R22**

RHR-0914-A

# WinterSpa Product Line Up

## Product Line Up

TYPE OF REFRIGERANT

R22

Tank Model	Indoor Model	Capacity Range
 <p>UWS068/090/114/136/180/340B</p>	 <p>FT10-25LV1L FT10-25LV1M</p>  <p>FT10-25MV1L FT10-25MV1M</p>	1.0 - 2.5 hp
	 <p>FF10/15CV1</p>  <p>FC20/25/30A2V1</p>	1.0 - 3.0 hp
 <p>UWS068/090/114/136/180/340B</p>	 <p>FH15-30CBV1L FH15-30CBV1M</p>  <p>FL15-25EV1L</p>	1.5 - 3.0 hp 1.5 - 2.5 hp
	 <p>FDB10CV1M FDM10CV1M</p>  <p>FDB15/20/25CV1M FDM15/20/25CV1M</p>  <p>FDM30CV1M FDB30CV1M</p>	1.0 - 3.0 hp

# Enjoy Free Hot Water from DAIKIN Air-Conditioner

Once again, Daikin proudly presents its latest breakthrough in technology, the Daikin WinterSpa, a source of cooling comfort and warm indulgence. The Daikin WinterSpa is an innovative water-heater system that regenerates heat from the air-conditioner to produce hot water without extra energy consumption. After a night of cooling comfort, you can wake up to a nice warm bath for free. With intelligent features, the Daikin WinterSpa is indeed your best 2-in-1 home appliance.



(RHR10CV1 & RHR15CV1)

## Installation Diagram



Note: Maximum pipe length between outdoor unit and the tank is 5 metres.  
Both piping between outdoor unit and tank must be insulated.



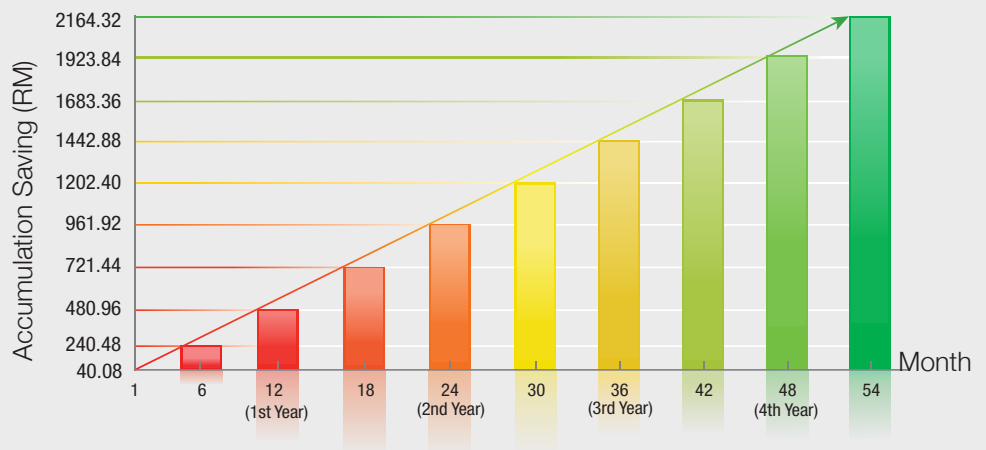
## Energy Saving RM0 = Hot Water

		Daikin WinterSpa	Instant Water Heater
Power Consumption	Air Conditioner (1hp)	980W	980W
	Water Heater	-	3kW
Water Heater Monthly Cost/person		RM0	3kW x 20mins* x 1ppl x RM0.334* = RM10.02
Water Heater Monthly Cost/4 person		RM0	RM10.02 x 4 = RM40.08
Water Heater Yearly Cost/4 person		RM0	RM40.08 x 12 = RM480.96

\*Assume 20mins usage per person

\*According to TNB tariff rates, for the second 200kWh per month is RM0.334/kWh

The Daikin WinterSpa is more cost-effective in energy consumption compared to an instant water heater as the water heater consumes about 3 times more energy per hour compared to the air conditioner. With the innovative water-heater system, you can wake up with a **FREE** hot water after a night of cooling comfort without paying any electricity for HOT WATER.



## Other Features:

### Flexible Connection To Air Conditioning System

The water tank can be connected from one to four condenser units, depending on the tank size.

### Environmentally Friendly

By recycling the water energy of the air-conditioner, the Daikin WinterSpa actually helps to conserve the environment.

### Easy Installation

There are vertical and horizontal water tanks. Installation is made easier in narrow and difficult space.

### Weather Resistant

Built from highly durable material, the Daikin WinterSpa product is strong enough to withstand any weather condition.

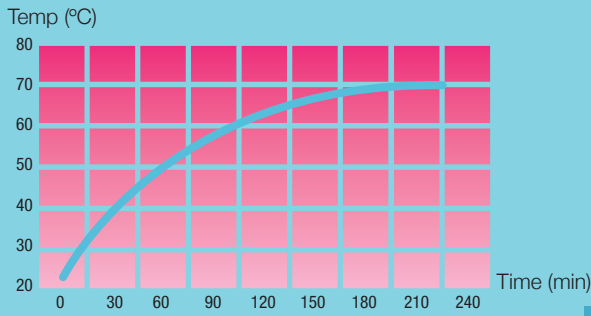
### Optional Heating Element

If the air-conditional is not switched on, an optional backup electric coil can be installed in the tank to provide unlimited hot water supply.

### Various Sizes - (Daikin WinterSpa Specifications)

To cater for individual needs and preferences, the Daikin WinterSpa water tank comes in various sizes that can be installed indoor or outdoor, hidden or visible.

## Heat Recovery Performance



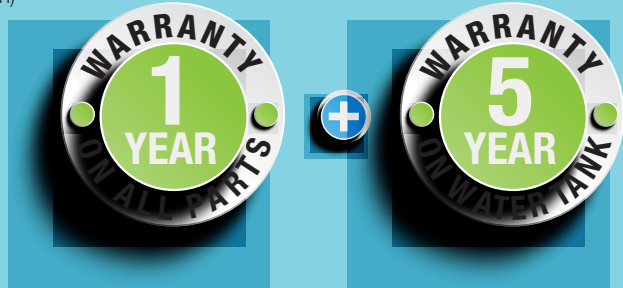
\*RHR15CV1 + UWS068B(68 litre)

- 1) Water heats up from 23°C to 43°C in 1/2 hour
- 2) Entire water tank of 68 litre require 2hrs to heat up from 23°C to 61°C

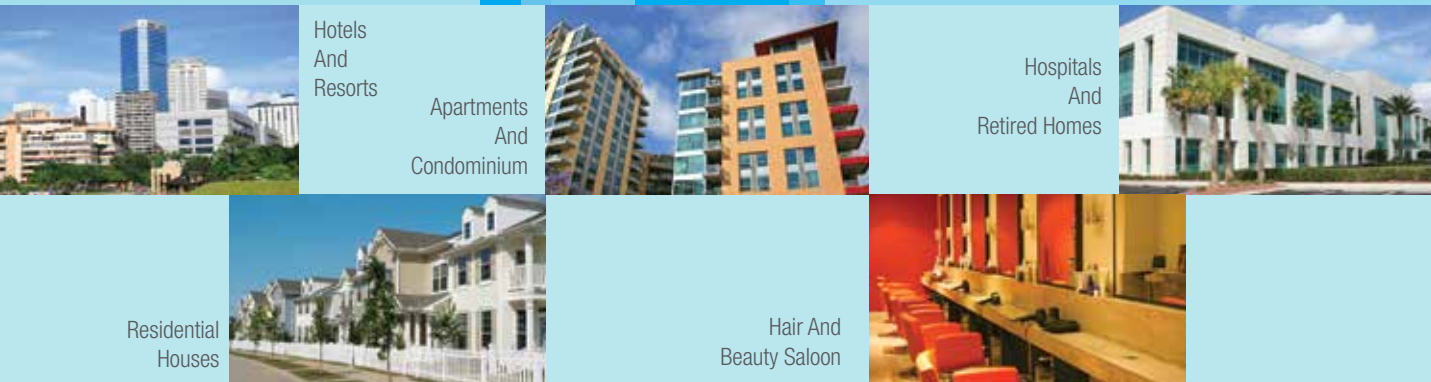
## Total Quality Service

### The trusted Name In Air-Conditioning And Heat Reclaiming

The unprecedented innovation is brought to you by DAIKIN - the trusted name in air-conditioning for quality and reliable after-sales service. With a nationwide service network, DAIKIN is ever ready to take you to a new dimension in cooling comfort.



## Applications



## Specifications WinterSpa Tank

TANK MODEL			UWS068B	UWS090B	UWS114B	UWS136B	UWS180B	UWS340B
TANK CAPACITY	Litre		68	90	114	136	182	341
	Imp.Gallon		15	20	25	30	40	75
UNIT DIAMETER		mm	460	460	510	510	510	610
UNIT HEIGHT (TANK SECTION ONLY)		mm	730	880	1070	1250	1600	1930
UNIT WEIGHT	EMPTY TANK	kg	23	28	49	55	68	113
	FULL TANK	kg	91	119	163	191	250	454
WINTERSPA TANK TYPE		-	VERTICAL / HORIZONTAL					
INNER TANK CONSTRUCTION		-	STAINLESS STEEL					
MAXIMUM WATER PRESSURE		kPa	700					
OUTER CASING		-	OVEN BAKED POWDER COATED E.G SHEET					
INSULATION		-	HIGH DENSITY POLYURETHANE					
SAFETY RELIEF VALVE SETTING	PRESSURE	bar	7					
SAFETY RELIEF VALVE SETTING(WATER)	TEMPERATURE	deg C	99					
WATER INLET / OUTLET CONNECTION		-	1/2"BSPT		3/4"BSPT		1"BSPT	
REFRIGERANT INLET / OUTLET CONNECTION		-	3/8"					
BACKUP ELECTRIC HEATING COIL C/W THERMOSTAT (OPTIONAL)	CAPACITY	kW	3					
	POWER SUPPLY	V/Ph/Hz	240V / 1 PHASE / 50HZ					
	TEMPERATURE SETTING	deg C	60					
	SAFETY LIMIT CUT-OFF	deg C	88					

\* CHECK SACRIFICE ANODE AND REPLACE EVERY 5 YEAR.

NOTE: THIS APPLICATION IS NOT SUITABLE FOR ZERO USAGE OF HOT WATER WHERE AIR CONDITIONER IS RUNNING NON-STOP FOR DAYS.

# Specifications

## WinterSpa - Heat Reclaim Series

OUTDOOR MODEL	OUTDOOR		RHR10CV1	RHR15CV1	RHR20CV1	RHR25CV1	RHR30BV1
INDOOR MODEL	WALL MOUNTED	WIRELESS - L	FT10LV1L	FT15LV1L	FT20LV1L	FT25LV1L	-
		WIRELESS - M	FT10MV1L	FT15MV1L	FT20MV1L	FT25MV1L	-
		WIRELESS - L	FT10LV1M	FT15LV1M	FT20LV1M	FT25LV1M	-
		WIRELESS - M	FT10MV1M	FT15MV1M	FT20MV1M	FT25MV1M	-
	CEILING CASSETTE	WIRELESS	-	FH15CBV1L	FH20CBV1L	FH25CBV1L	FH30CBV1L
		WIRELESS - M	-	FH15CBV1M	FH20CBV1M	FH25CBV1M	FH30CBV1M
	CEILING EXPOSED	WIRELESS	-	FL15EV1L	FL20EV1L	FL25EV1L	-
		WIRELESS - M	-	FL15EV1M	FL20EV1M	FL25EV1M	-
	CEILING CONCEALED	STANDARD STATIC PRESSURE	FDB10CV1M	FDB15CV1M	FDB20CV1M	FDB25CV1M	FDM30CV1M
		NON-STANDARD STATIC PRESSURE	FDM10CV1M	FDM15CV1M	FDM20CV1M	FDM25CV1M	FDB30CV1M
TOTAL COOLING CAPACITY (Btu/h)	WALL MOUNTED		10,000	13,000	19,500	24,000	-
	CEILING CASSETTE		10,000	13,000	20,000	25,000	30,000
	CEILING EXPOSED - CB		-	13,000	20,000	25,000	30,000
	CEILING EXPOSED - E		-	12,000	20,000	25,000	-
	CEILING CONCEALED		10,000	13,000	20,000	25,000	30,000
TOTAL POWER (W)	WALL MOUNTED		980	1,220	1,850	2,675	-
	CEILING CASSETTE		905	1,190	2,023	2,809	3,200
	CEILING EXPOSED - CB		-	1,201	2,044	2,774	2,946
	CEILING EXPOSED - E		-	1,288	2,056	2,484	-
	CEILING CONCEALED		924	1,331	1,930	2,625	3,410
TOTAL CURRENT (A)	WALL MOUNTED		4.38	5.36	8.12	12.00	-
	CEILING CASSETTE		3.80	5.30	8.92	12.57	14.32
	CEILING EXPOSED - CB		-	5.30	9.10	13.40	13.60
	CEILING EXPOSED - E		-	5.80	9.10	13.20	-
	CEILING CONCEALED		4.10	6.00	8.50	11.70	14.60
POWER SOURCE		V/Ph/Hz	220-240/1/50				
DIMENSION	INDOOR (HXWXD) mm	WALL MOUNTED - L	288X800X206		310X1,065X224		-
		WALL MOUNTED - M	288X800X216		310X1,065X233		-
		CEILING CASSETTE	250X570X570		265X820X820		
		CEILING EXPOSED - CB	-	235X1,203X680			235X1,553X680
		CEILING EXPOSED - E	-	218X1,080X630			-
	CEILING CONCEALED	261X765X411	261X905X411	261X1,065X411	261X1,200X411	378X929X541	
	OUTDOOR (HXWXD) mm	540X700X250		651X855X328	753X855X328	646X840X330	
NET WEIGHT (kg)	INDOOR	WALL MOUNTED	9		14		-
		CEILING CASSETTE	17.5		30		
		CEILING EXPOSED	-	32	39	41	56
		CEILING CONCEALED	18	22	24	26	42
	OUTDOOR	kg	29	29	43	53	58
REFRIGERANT		TYPE	R22				
COPPER PIPE SIZE	LIQUID (inch)		1/4		3/8		
	GAS (inch)		3/8	1/2	5/8		
	WATER (inch)		3/8				

- 1) ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) NOMINAL COOLING CAPACITY IS BASED ON THE FOLLOWING CONDITION: OUTDOOR - 35°C, INDOOR - 27°C DB/19°C WB
- 3) CAN BE COUPLED WITH DAIKIN COOLING KING WALL MOUNTED, DAIKIN AIR SURROUND CEILING CASSETTE, DAIKIN PRESTIGE CEILING EXPOSED & DAIKIN ETERNITY CEILING CONCEALED MODELS.
- 4) ALL DATA ARE ACCORDING TO AHRI 210/240.
- 5) VERTICAL TANK MUST BE INSTALLED IN VERTICAL POSITION.
- 6) HORIZONTAL TANK MUST BE INSTALLED IN HORIZONTAL POSITION.
- 7) WINTERSPA MUST USE GOVERNMENT TAP WATER FOR WATER USAGE, OTHERWISE THE WARRANTY WILL BE VOIDED.

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