

# MODEL SH

**COOLING DX COIL AND HOT WATER COIL  
MEDIUM STATIC**

**DUCTED FAN COIL UNIT**

**MODERN SLIM DESIGN**

**CAPACITY RANGE FROM**

**24,000 - 60,000 BTU/H**

**( 7.0 kW - 17.6 kW )**

**( COOLING AND HEATING )**

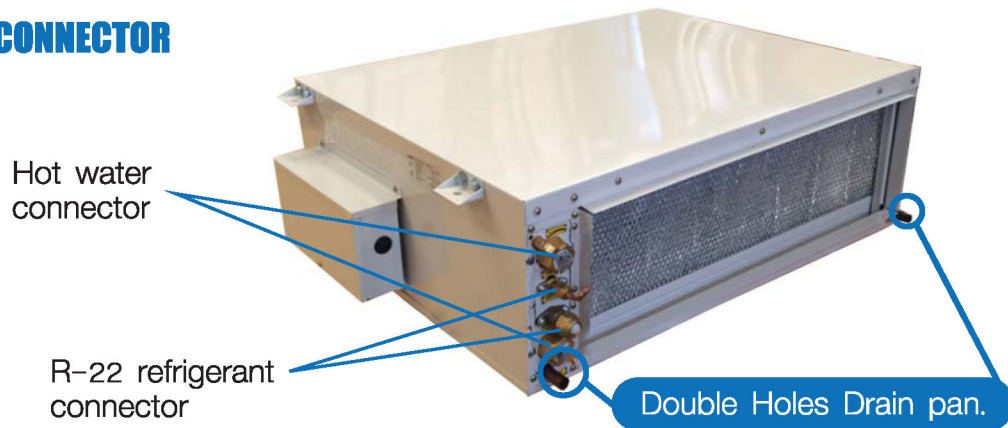


- Ceiling concealed mounted.
- Draw through type with return air filter.
- Mode Cooling / Heating.
- Super Slim design , unit height is only 314 mm. for model 800 – 1200 and height 334 mm. for model 1600 – 2000.
- Wide range of indoor airflows from 800 CFM to 2000 CFM
- Durable construction.
- The exterior panels are insulated with 10 mm. thick polyethylene foam.
- The insulation is affixed to the casing with water proof adhesive.



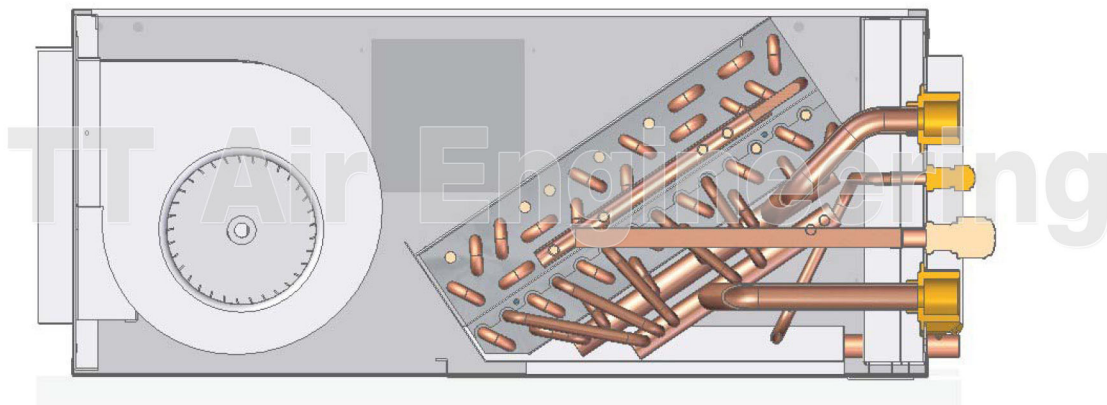
**Air Conditioning Experts**

## HOT WATER CONNECTOR



## EASY MAINTENANCE EVAPORATOR COIL

- The coil consists of full face coil with counter flow circuits.
- Each coil is degreased internally and externally, and completely dehydrated before assembly.
- The water coil and DX coil, can be separated for easy maintenance or replacement



- DX Coil : staggered copper tubes mechanically bonded into aluminium fins, brazed in nitrogen atmosphere, leak test at 300 psig.
- Hot Water Coil staggered copper tubes mechanically bonded into aluminium fins, brazed in nitrogen atmosphere, leak test at 300 psig

## BLOWER

- The blower is the double inlet, forward curved centrifugal type and statically and dynamically balanced.

## Condensation Removal

- Drip pan either water-repellent type insulation to ensure positive removal of all condensation and prevent condensation on the underside of the drip pan.
- The unit shall have double drain tray with separate drain connection.

## ROOM THERMOSTAT CONTROL

### Digital Wired Room Thermostat Control

(Able to receive signal from wireless remote control)



## OTHER ATTRIBUTES



### Timer On/Off

24-hour timer for turning on or turning off the air conditioning system.



### 3-minute Compressor Turn-on Delay

Prevent damage to the compressor from voltage sag or power failure.



### Sleep mode

Adjust suitable temperature for sleeping time.



### Fan 3 Speed

High - Medium - Low.



### Mode 5 Functions

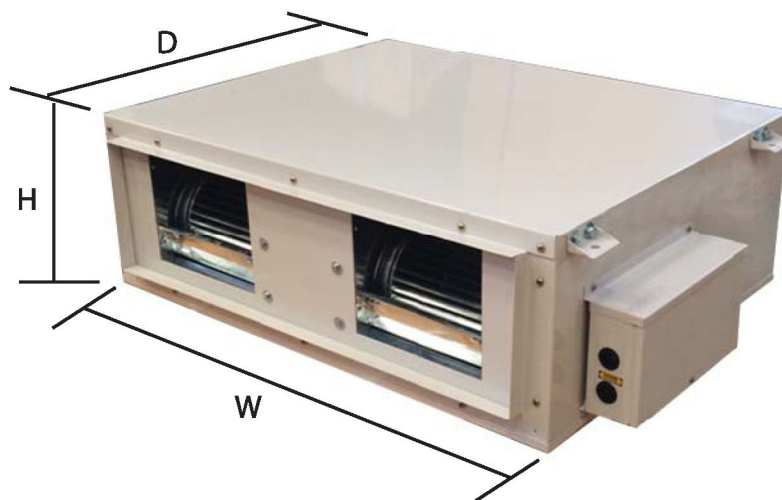
Fan - Cool - Dry - Heat - Auto  
Respond for your life.



Heat Mode

### Expert Control System for Heat Mode

When room temperature reaches the set value, blower will stop.  
When system has no hot water supply, blower will stop.



FAN COIL UNIT	MODEL	SH-800	SH-1000	SH-1200	SH-1400	SH-1600	SH-2000
Dimensions	H x W x D (mm)	314 x 913 x 758			334 x 1217 x 853		

International quality,  
exported to over 70 countries

## Condensing Unit

Casing made from high-quality sheet metal, coated with anti-oxidation white color.  
Durable with great heat rejection performance from advanced aerodynamic fan design.  
Compact size for easy installation in small spaces.



## Specification

MODEL SH+WHC-2R/ACQ							
Cooling capacity (DX coil)	BTUH	24,000	30,000	36,000	41,000	48,000	60,000
	kW	7.00	8.79	10.55	12.02	14.07	17.58
Heating capacity (Water coil)	BTUH	26,000	31,000	36,000	45,000	57,000	67,000
	kW	7.62	9.09	10.55	13.19	16.71	19.64
Air Flow	CFM	800	1000	1200	1400	1600	2000
	L/s	379	472	568	660	758	947
FAN COIL UNIT	MODEL	SH-800	SH-1000	SH-1200	SH-1400	SH-1600	SH-2000
FAN COIL UNIT	Type	Ducted Fan coil Units					
Water Flow rate	GPM	2.67	3.33	4.00	4.44	5.33	6.67
Water pressure droup	kPa	0.95	1.46	1.61	2.51	3.43	5.05
Fan	Type	Multiblade centrifugal blower					
Fan set	No.	2					
Fan motor	W	186 W (3 speed)			352 W (3 speed)		
Power Supply	WPh/Hz	220 - 240 /1/50					
Evaporator	Type	Copper Tube and Aluminium Louver Fin					
tube diameter	Inch	3/8"					
DX coil connection	Type	Half Union - Forge & Flare nut					
Suction Header	Inch	5/8"	3/4"			1/2"	
Liquid Header	Inch	3/8"			1/2"		
Hot water coil connection	Type	Male Thread Water Pipe connector					
Inlet water connection	Inch	7/8"					
Outlet water connection	Inch	7/8"					
Drain pan pipe	inch	7/8"					
Pre - Filter	Type	Aluminium pre filter					
Electronic control	Type	Wire Remote control					
Dimensions	H x W x D (mm)	314 x 913 x758				334 x 1217 x 853	
Net Weight	kgs.	55.5	56	56.8	57.2	57.4	58
CONDENSING UNIT	MODEL	ACQ-25	ACQ-30	ACQ-36	ACQ-401	ACQ-503	ACQ-603
Condensing unit	Type	Horizontal Air Flow					
Compressure	Type	Rotary / Scroll type					
Protection Devices	Type	Internal Overload Protection					
Power Supply	WPh/Hz	220/1/50				380/3/50	
Fan	Type	Propeller fan					
Fan set	No.	1				2	
Fan motor	W	117	171			117 x 2 pcs.	
Condenser coil	Type	Inner Groove Copper Tube & Aluminium Louver Fin					
	Size	7 mm.	3/8"				
Suction Connection	Size	5/8"	3/4"				
Liquid Connection	Size	3/8"				1/2"	
Refrigerant	Type	R22 (Holding Charge)					
Dimension	H x W x D (mm)	632 x 944 x 379	785 x 944 x 379			1140 x 944 x 379	
Net Weight	kgs.	65	72	92	98	110	118

Heating capacity based Inlet water temperature 60 °C , Inlet air Temperature 20°C.

Cooling capacity based on 27°C DB, 19°C WB, air on evaporator coil and 35°C DB air on condenser. Specifications are subject to change without notice for future improvement.



### UNI-AIRE CORPORATION CO., LTD.

69 Moo 3 Kingkaew Rd.,Bangplee,Samutprakarn 10540 THAILAND Tel.+662-312-4500 Fax.+662-312-4277  
http://www.uni-aire.com E-mail: export@uni-aire.com