

# 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 )**



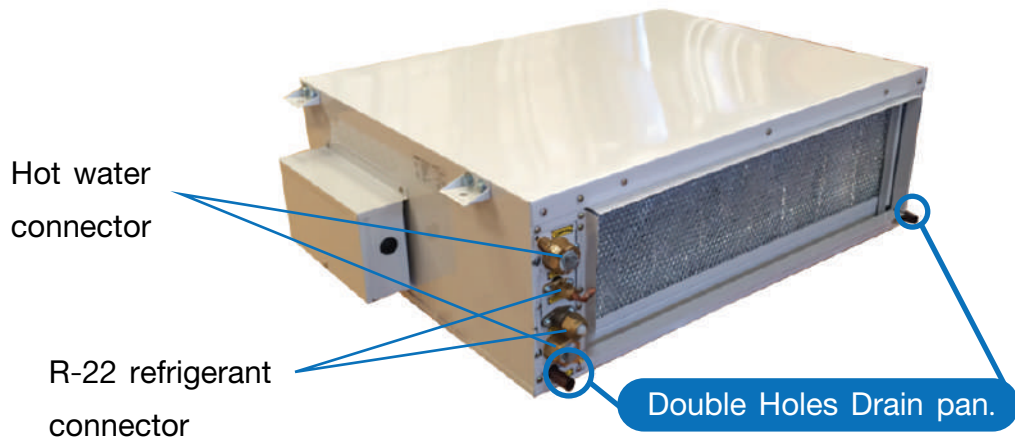
- Ceiling concealed mounted.
- Draw through type with return air filter.
- Mode Cooling / Heating.
- Super Slim design , unit height is only 314 mm. for model 800 - 1200 and height 334 mm. for model 1600 - 2000.
- Wide range of indoor airflows from 800 CFM to 2000 CFM
- Durable construction.
- The exterior panels are insulated with 10 mm. thick polyethylene foam.
- The insulation is affixed to the casing with water proof adhesive.
- The Refriserant are R410A.

**UNI - Aire**<sup>®</sup>

Air Conditioning Experts

## HOT WATER CONNECTOR

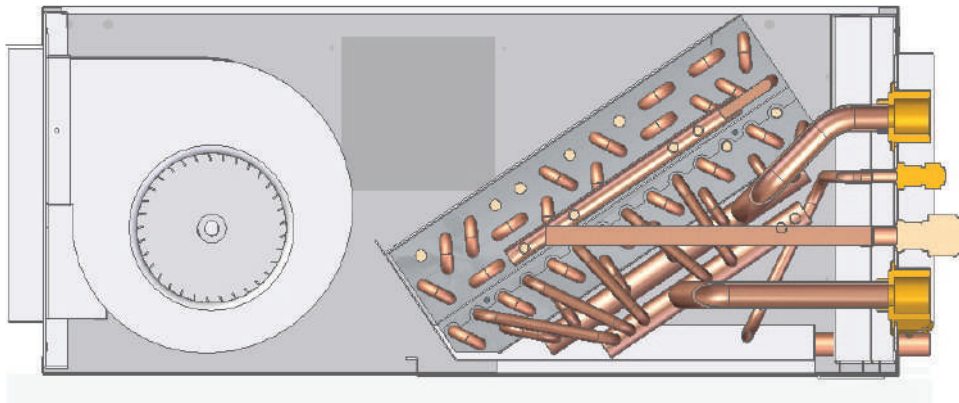
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## EASY MAINTENANCE EVAPORATOR COIL

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- 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<sup>3</sup>

## BLOWER

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

## Condensation Removal

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- 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

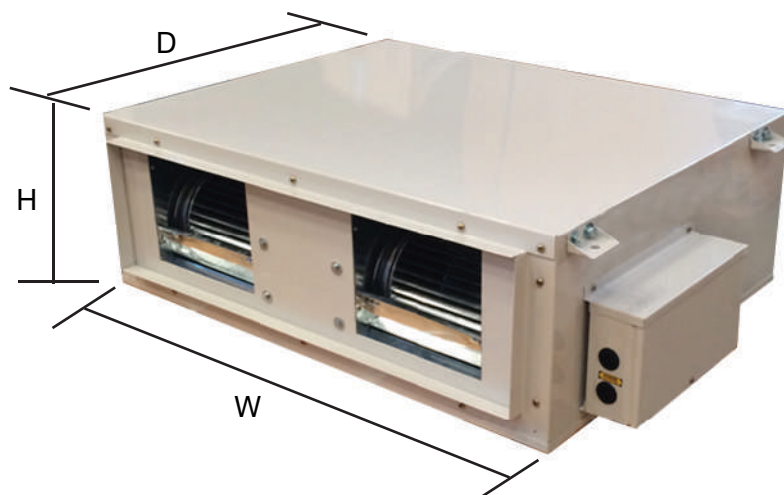
### Mode 5 Functions

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	HxWxD (mm)	314 x 1,029 x 785			334 x 1,333 x 855		

Quite operation



Energy Saving



Environmental Friendly



## 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-RA**

		25,000	30,000	36,000	40,000	50,000	60,000
Cooling capacity (DX coil)	BTUH	25,000	30,000	36,000	40,000	50,000	60,000
	kW	7.40	8.80	10.60	11.80	14.66	17.58
Heating capacity (Water coil)	BTUH	27,000	31,500	36,000	47,700	54,200	69,270
	kW	7.91	9.23	10.55	13.98	15.89	20.30
Air Flow (CFM)	CFM	800	1,000	1,200	1,400	1,600	2,000
	L/s	379	474	569	664	758	948
FAN COIL UNIT	MODEL	SH-800+WHC-2R	SH-1000+WHC-2R	SH-1200+WHC-2R	SH-1400+WHC-2R	SH-1600+WHC-2R	SH-2000+WHC-2R
	Type	Ducted Type Fan Coil Units					
Water Flow rate	GPM	3.00	3.50	4.00	5.30	6.02	7.70
Water pressure drop	kPa	1.56	0.20	0.25	4.31	5.68	9.09
Fan	Type	Multiblade centrifugal blower					
Blower set	No.	2					
Fan motor	W	186 W (3 speed)			352W (3 speed)		
Power Supply	V/Ph/Hz	220 – 240/1/50					
Evaporator Coil	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 conector					
Inlet water connection	Inch	1"					
Outlet water connection	Inch	1"					
Drain pan pipe	Inch	3/4"					
Pre - Filter	Type	Aluminium pre lter					
Electronic control	Type	Wire Remote Control					
Dimensions Overall	HxWxD (mm)	314 x 1029 x 785			344 x 1333 x 855		
Net Weight	kgs.	55.5	56	56.8	57.2	57.4	58
CONDENSING UNIT	MODEL	ACQ-25RA	ACQ-30RA	ACQ-36RA	ACQ-40RA	ACQ-503RA	ACQ-603RA
	Type	Horizontal Air Flow					
Compressor	Type	Rotary			Scroll		
Protection Devices	Type	Internal Overload Protection					
Power Supply	V/Ph/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 and Aluminium Fin					
	Size	7 mm.	3/8"			1/2"	
Suction Connection	Size	5/8"	3/8"			1/2"	
Liquid Connection	Size	3/8"			1/2"		
Refrigerant	Type	R410A (Holding Charge)					
Dimensions Overall	HxWxD (mm)	632 x 1000.5 x 410	785 x 1000.5 x 410			1140 x 1000.5 x 410	
Net Weight	kgs.	60	64	70	84	95	

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

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.



ISO 9001  
ISO 14001  
ISO 45001  
ISO 14064-1



TIS.2134  
TIS.1529



TIS 17025



TLS.8001 Made in Thailand



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